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Bcc: []
From: CN=Stephanie Vaughn/OU=R2/O=USEPA/C=US
Sent: Fri 8/10/2012 7:08:24 PM
Subject: Fw: Single beam bathymetry areas
[2012_SingleBeamLocations.ppt](#)
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Hi Rob,

Here is an email from Ed Garland, which lays out recommendations for areas to conduct additional single beam bathymetry surveys.

Please let me know if you have any questions or if you'd like to discuss this.

Thanks,
Stephanie

----- Forwarded by Stephanie Vaughn/R2/USEPA/US on 08/10/2012 03:05 PM -----

From: "Garland, Edward" <Edward.Garland@hdrinc.com>
To: Stephanie Vaughn/R2/USEPA/US@EPA
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Date: 08/10/2012 12:13 PM
Subject: Single beam bathymetry areas

Stephanie,

Jason and I developed recommendations of areas for supplemental single beam bathymetry surveys. These include river bends, which seem to be consistently too shallow for multi-beam work and other shoal areas. In addition to looking at areas not covered by the multibeam surveys, we also looked at vertical profiles of 2,3,7,8 TCDD from the CPG 2008 LRC and 2011 SSP datasets. To the extent possible, GBA should follow the transects used in Tierra's single beam surveys (1995, 1996, 1997, 1999, 2001). These transects were spaced approximately 100 feet apart.

The CPG should continue with the 13 transects that have been included in 2010 and 2011 programs.

Jason noted that in 2010, GBA surveyed the Kearney flats, but that data doesn't appear in the final data submittals. He also noted that GBA conducted many more single beam transects for their own QA/QC checks, but those data have not been provided. We should look at those data and see if they line up with Tierra's transects. Given that GBA is already doing numerous single beam transects, this request may not represent a change to their field efforts.

Ed

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